Nano Spectrophotometer LX100NS

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Description

Nano Spectrophotometer LX100NS is a full wavelength (200-800nm), UV-Vis spectrophotometer that is primarily used to quantify the concentration of DNA, RNA, and protein. Simple software with an integrated CCD detector and Xenon light source. Only a 0.5–2µl sample is needed to accurately determine the concentration. The sample doesn't really need to be diluted because it can be measured up to 4500 ng/µl (using dsDNA as an example).

Specifications

Wavelength range	200-800 nm
Minimum sample size	0.5-2.0 µl
Path length	0.2 mm 1.0 mm
Light source	Xenon flash lamp
Detector type	2048-Linear CCD array
Wavelength accuracy	1 nm
Spectral resolution	≤3 nm
Absorbance precision	0.003Abs
Absorbance accuracy	1% (7.332Abs at 260 nm)
Absorbance range	0.04 - 90 A
Detects nucleic acid up to	2~4500 ng/µl (dsDNA)
Measurement time	< 5 S
Data output	Connect PC
Software compatibility	WinXP, Win7, Win8
Sample pedestal material	Aluminum alloy and Quartz fiber
Operating voltage	DC 24 V 2 A
Operating power	20 W
Standby power	5 W
Dimension (W x D x H)	200 x 250 x 166 mm

Weight	2.6 Kg
Packing dimension (W x D x H)	580 x 510 x 330 mm
Gross weight	10 Kg

Features

- It has full wavelength (200-800nm) scan capability
- Equipped with high resolution CCD array detector that can complete the detection within 5 sec
- Detects Nucleic Acids up to 4500 ng/µl (dsDNA)
- Built-in pulse xenon lamp

Applications

- Nano spectrophotometer are widely used in detection of micro volume quantities of DNA/RNA and chemicals, liquids and its components in laboratory, food industries, chemistry, microbiology, medicine research and development.

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